

FIG. 1

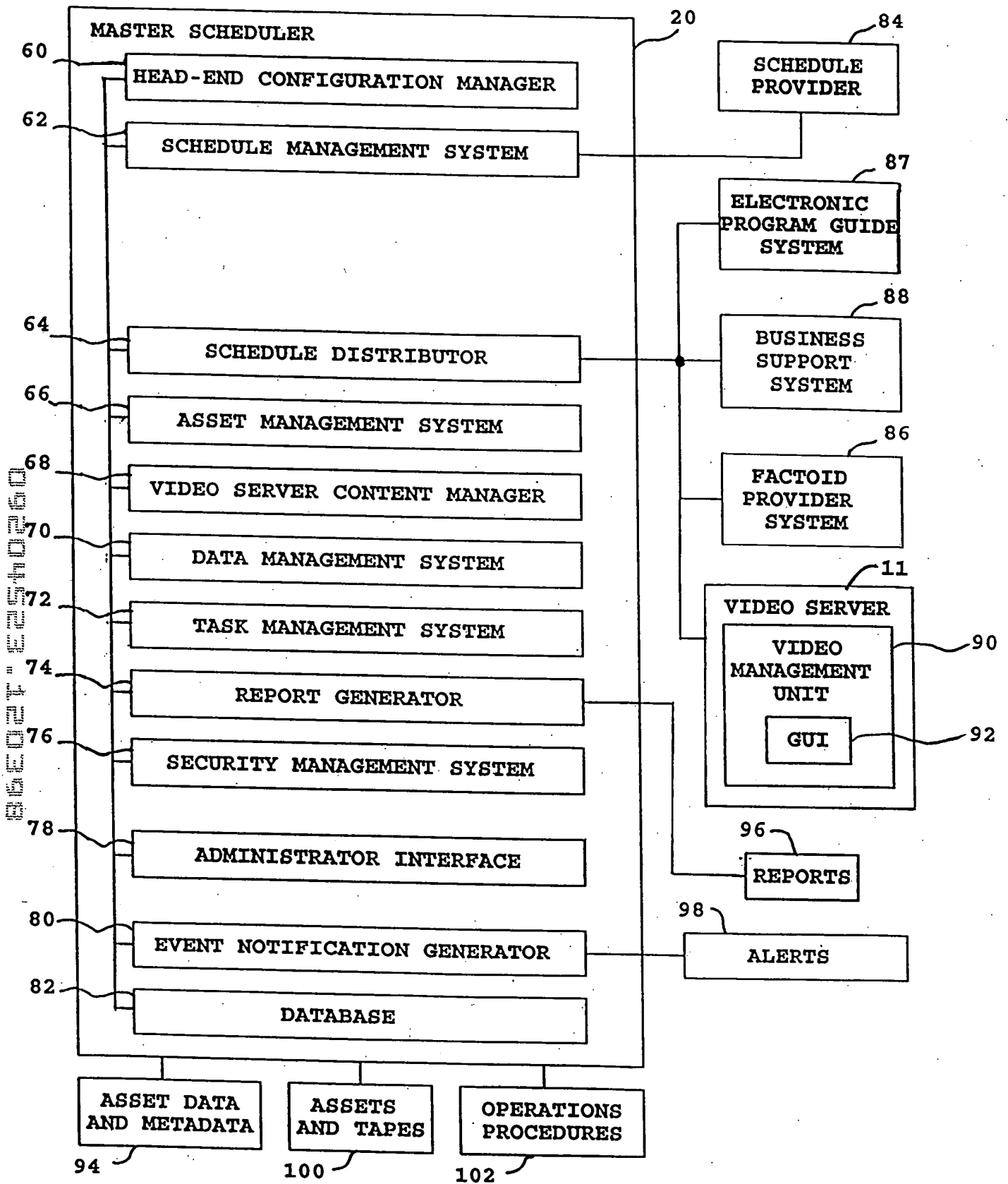


FIG. 2



File Edit Manage Configure Addminister Reports/Logs

ITEMS

Id		Description	Effective Date
1	ITEM #1	4/1/97	
2	ITEM #2	5/1/97	
3	ITEM #3	5/1/97	

Ports

Id		Description	Effective Date
1	PORT #1	5/1/97	
2	PORT #2	5/1/97	
3	PORT #3	6/1/97	
4	PORT #4	6/1/97	
5	PORT #5	6/1/97	

FIG. 3



File Edit Manage Configure Administer Reports/Logs

Lineup Name	Lineup Version	Status
Feb Lineup	1	Finalized
March Lineup	4	Being Distributed
April Lineup	1	WIP

Organization	Distributed (Y/N)	Distr. Date	Confirmed (Y/N)	Confirm Date	Remarks
EPG	Y	2/4/97	Y	2/5/97	Phone call from John
BSS	Y	2/5/97	N		Sent a fax

FIG. 4

0004540260

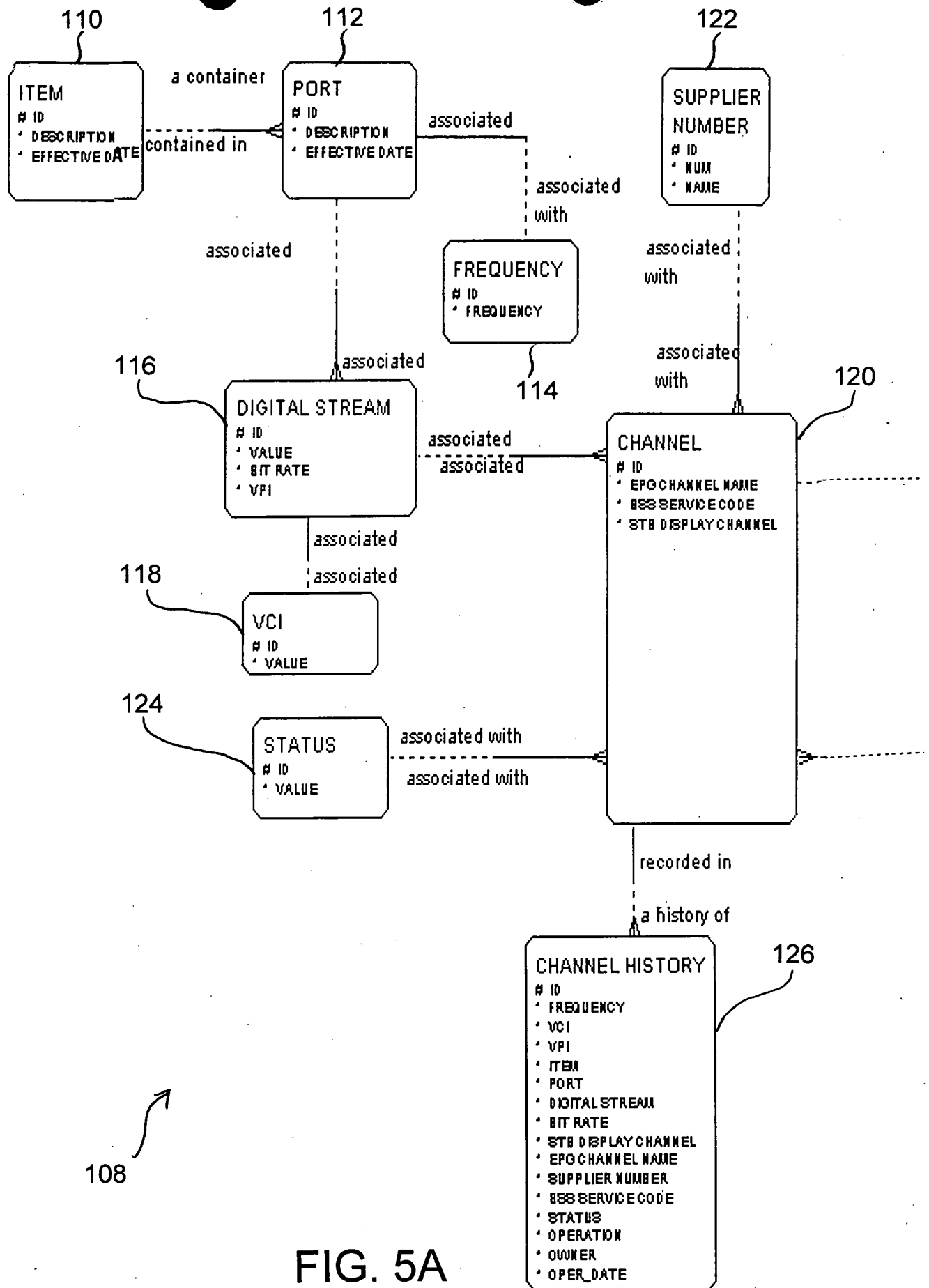
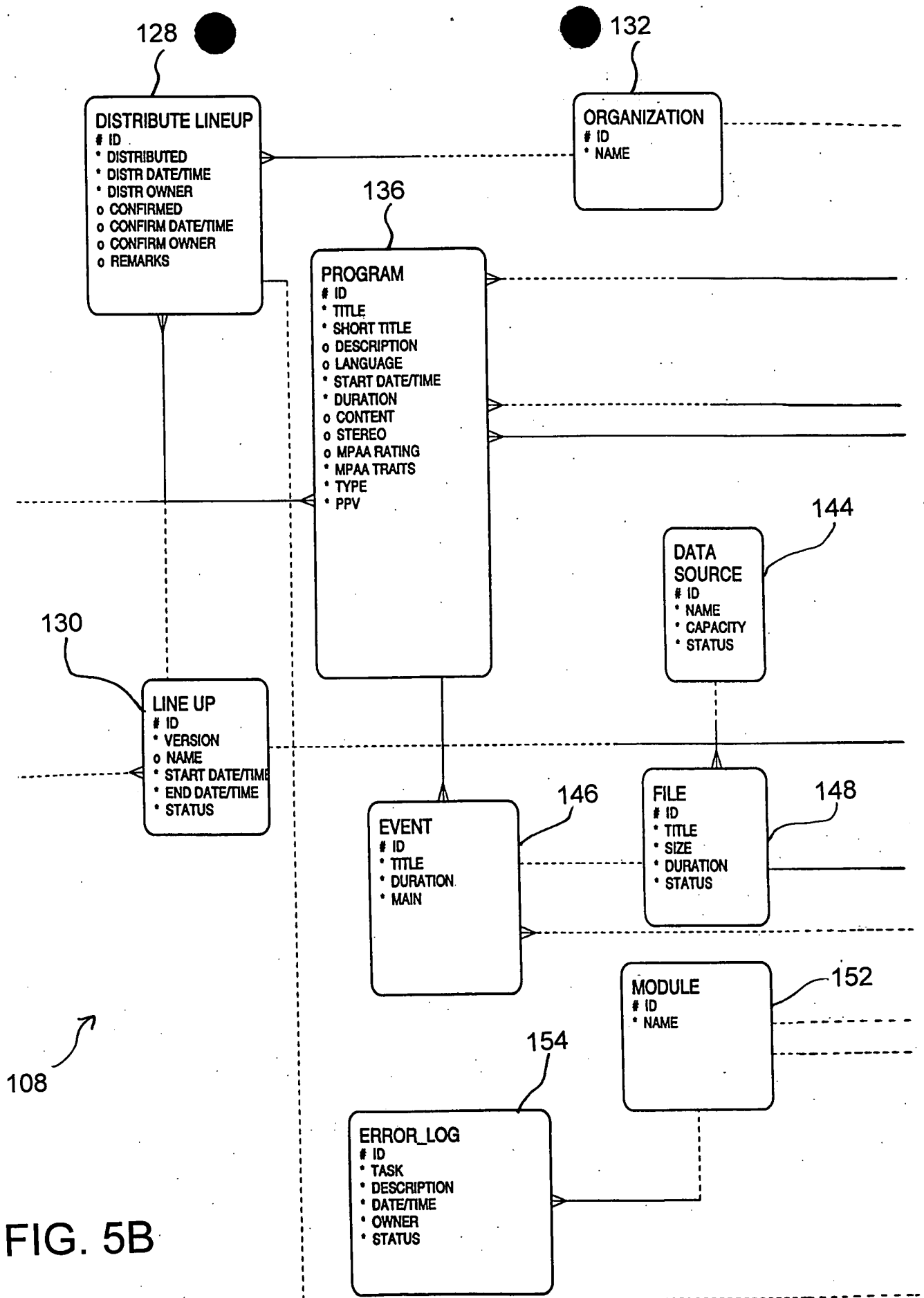
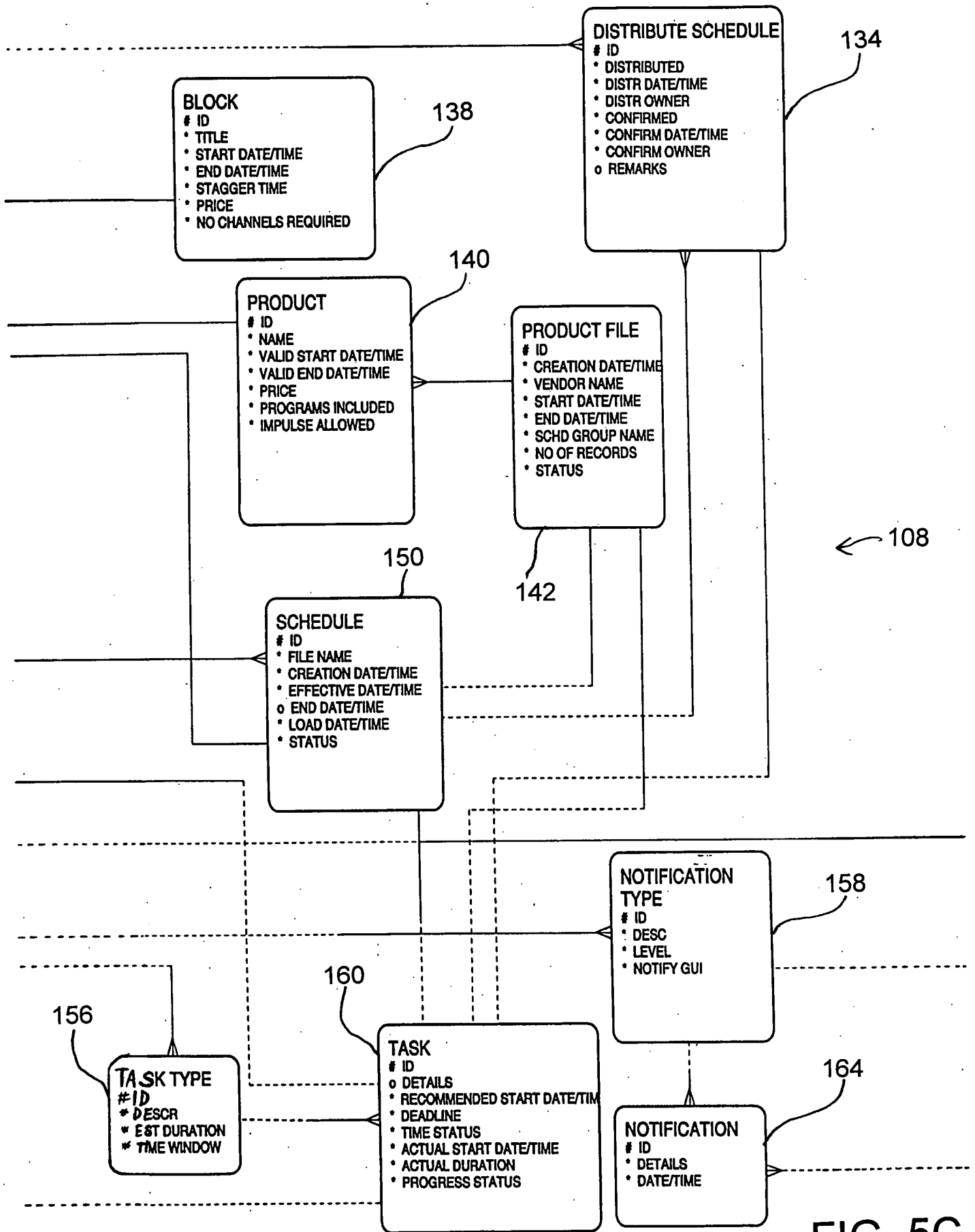


FIG. 5A

SECRET 2540260



SECRET 22540260

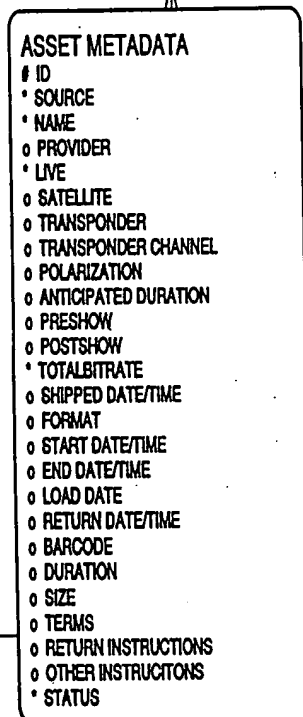
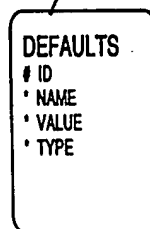
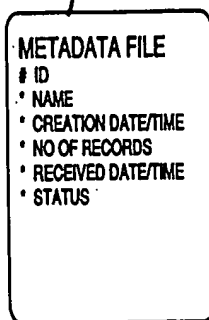


00004523-10398

108

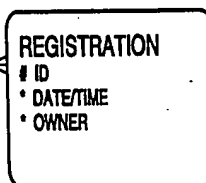
168

172



170

162



166

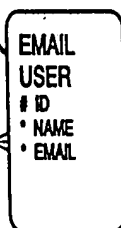


FIG. 5D


```

-- To ensure uniform size of data types, we use some
domains
-- Small Id      - number(4,0)
-- Small Char    - Varchar2(15)
-- Med Char      - Varchar2(100)
-- Date          - Date

CREATE TABLE items (
  id          number(4,0) primary key,
  description  varchar2(100) not null,
  effective_date date not null
);

CREATE TABLE frequencies (
  id          number(4,0) primary key,
  frequency   number(4,0) not null -- in MHz
);

CREATE TABLE ports (
  id          number(4,0) primary key,
  description  varchar2(100) not null,
  effective_date date not null,
  freq_id     number(4,0) not null references frequencies,
  item_id     number(4,0) not null references items
);

CREATE TABLE digital_streams (
  id          number(4,0) primary key,
  value       number(4,0) not null,
  bit_rate    varchar2(15) not null,
  vpi         number(4,0) not null,
  port_id     number(4,0) not null references ports,
  vci_id      number(4,0) not null references vci
);

CREATE TABLE supplier_numbers (
  id          number(4,0) primary key,
  value       number(4,0) not null,
  name        varchar2(15) not null
);

CREATE TABLE vci (
  id          number(4,0) primary key,
  value       number(4,0) not null
);

CREATE TABLE status (
  id          number(4,0) primary key,
  value       varchar2(15) not null
);

CREATE TABLE channels(
  id          number(4,0) primary key,
  epq_channel_name varchar2(100) not null,
  bss_service_code number(6,0) not null,
  stb_display_channel number(4,0) not null,
  dig_stream_id number(4,0) not null references digital_streams,
  sup_num_id  number(4,0) not null references supplier_numbers,
  stat_id     number(4,0) not null references status
);

CREATE TABLE line_ups (
  id          number(4,0) primary key,
  name        varchar2(15) not null,
  version     varchar2(15) not null,
  start_date_time date,
  end_date_time date,
  stat_id     number(4,0) not null references status
);

```

FIG. 6

Analog Frequency	VCI (33→1024)	VPI (Fixed)	ITEM #	ITEM Port	Digital stream	BitRate	STB LED channel display	EPG channel name	ITC-PAL file name	Supplier number	Relative channel number	BSS Service Code	Service Handle (code +32K)
666 MHz	33	0	1	1	1	4.5Mbps	201	A101	V026mmyy	026	1	801	33569
666 MHz	34	0	1	1	2	4.5Mbps	202	A102	V026mmyy	026	2	802	33570
666 MHz	35	0	1	1	3	4.5Mbps	203	A103	V026mmyy	026	3	803	33571
666 MHz	36	0	1	1	4	4.5Mbps	204	A104	V026mmyy	026	4	804	33572
666 MHz	37	0	1	1	5	4.5Mbps	205	A105	V026mmyy	026	5	805	33573
672 MHz	38	0	1	2	1	4.5Mbps	206	A106	V027mmyy	027	1	806	33574
672 MHz	39	0	1	2	2	4.5Mbps	207	A107	V027mmyy	027	2	807	33575
672 MHz	40	0	1	2	3	4.5Mbps	208	A108	V027mmyy	027	3	808	33576
672 MHz	41	0	1	2	4	4.5Mbps	209	A109	V027mmyy	027	4	809	33577
672 MHz	42	0	1	2	5	4.5Mbps	210	A110	V027mmyy	027	5	810	33578
678 MHz	43	0	1	3	1	4.5Mbps	211	A111	V028mmyy	028	1	811	33579
678 MHz	44	0	1	3	2	4.5Mbps	212	A112	V028mmyy	028	2	812	33580
678 MHz	45	0	1	3	3	4.5Mbps	213	A113	V028mmyy	028	3	813	33581
678 MHz	46	0	1	3	4	4.5Mbps	214	A114	V028mmyy	028	4	814	33582
678 MHz	47	0	1	3	5	4.5Mbps	215	A115	V028mmyy	028	5	815	33583
684 MHz	48	0	1	4	1	4.5Mbps	216	A116	V029mmyy	029	1	816	33584
684 MHz	49	0	1	4	2	4.5Mbps	217	A117	V029mmyy	029	2	817	33585
684 MHz	50	0	1	4	3	4.5Mbps	218	A118	V029mmyy	029	3	818	33586
684 MHz	51	0	1	4	4	4.5Mbps	219	A119	V029mmyy	029	4	819	33587
684 MHz	52	0	1	4	5	4.5Mbps	220	A120	V029mmyy	029	5	820	33588
690 MHz	53	0	1	5	1	4.5Mbps	221	A121	V030mmyy	030	1	821	33589
690 MHz	54	0	1	5	2	4.5Mbps	222	A122	V030mmyy	030	2	822	33590
690 MHz	55	0	1	5	3	4.5Mbps	223	A123	V030mmyy	030	3	823	33591
690 MHz	56	0	1	5	4	4.5Mbps	224	A124	V030mmyy	030	4	824	33592
690 MHz	57	0	1	5	5	4.5Mbps	225	A125	V030mmyy	030	5	825	33593

FIG. 7

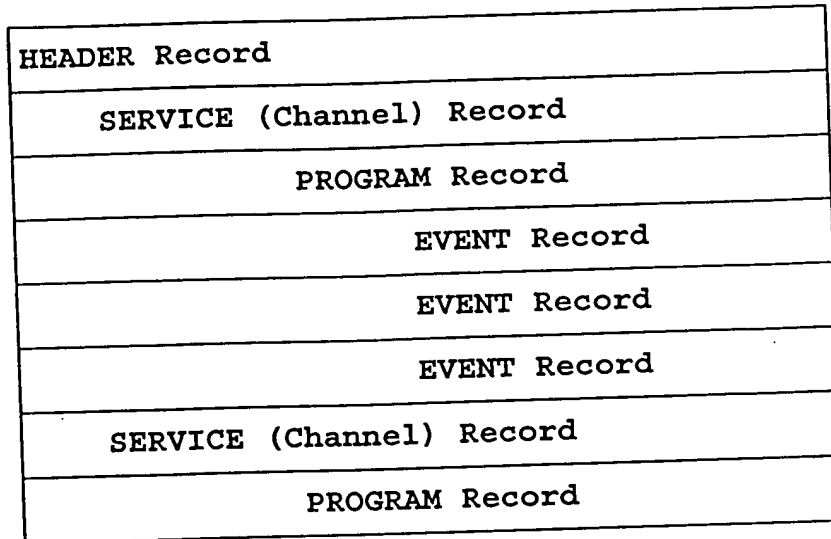


FIG. 8

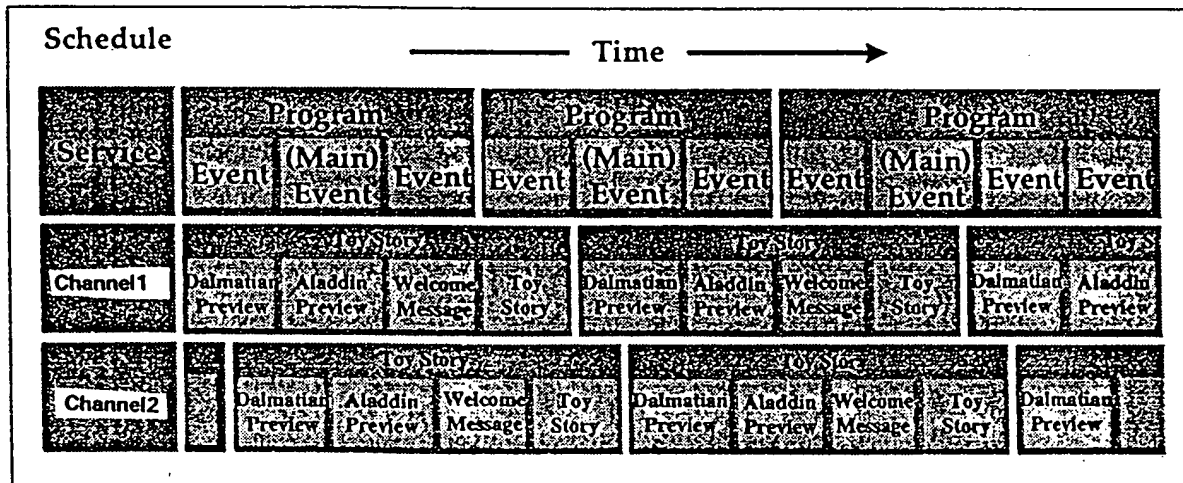


FIG. 9



File Edit Manage Configure Administer Reports/Logs									
Name		Feb Schedule - Version 2				Status		Active	
NVOD1	Toy Story Every 15 minutes								
NVOD2	Mission Impossible Every 30 minutes								
NVOD3	Dennis - Every 60 minutes								
		Feb 6		Feb 7	Feb 8	Feb 8	Feb 9	Feb 10	Feb 11
Prev Month					Next Month				

FIG. 10

File Edit Manage Configure Administer Reports/Logs

Name May Schedule - Version 2 Status WIP

May 8, 1997	
NVOD1	Toy Story Julia Child
NVOD2	NBA Playoffs Mission Impossible
WCBS	Dennis Star Wars
<div> <div>6 pm</div> <div>6:30pm</div> <div>7pm</div> <div>7:30 pm</div> <div>8 pm</div> <div>8:30pm</div> </div> <div> <div>Month Begin</div> <div>Prev Day</div> <div>Next Day</div> <div>Month End</div> </div>	

FIG. 11



<u>F</u> ile <u>E</u> dit <u>M</u> anage <u>C</u> onfigure <u>A</u> dminister <u>R</u> eports/Logs																								
Title	Gone with the Wind	From	2/16/97	12.00 AM	Interval	6:00 PM																		
.Price	\$2.95	To	3/16/97	12.00 PM	To	11:00 PM																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>Starting Time</th> <th>STB Display</th> <th>Channel Name</th> <th>Current Price</th> </tr> </thead> <tbody> <tr> <td>2/16/97</td> <td>9:30pm</td> <td>202</td> <td>NVOD1</td> <td>3.25</td> </tr> <tr> <td>2/18/97</td> <td>10:00pm</td> <td>203</td> <td>NVOD2</td> <td>2.25</td> </tr> </tbody> </table>										Date	Starting Time	STB Display	Channel Name	Current Price	2/16/97	9:30pm	202	NVOD1	3.25	2/18/97	10:00pm	203	NVOD2	2.25
Date	Starting Time	STB Display	Channel Name	Current Price																				
2/16/97	9:30pm	202	NVOD1	3.25																				
2/18/97	10:00pm	203	NVOD2	2.25																				
<div style="border: 1px solid black; padding: 5px; display: inline-block;"> Select All </div>					<div style="border: 1px solid black; padding: 10px; display: inline-block;"> Update Price </div>																			

FIG. 12



File Edit Manage Configure Administer Reports/Logs

Schedule	Version	Status
February Schedule	1	Finalized
March Schedule	1	WIP

Organization	Distributed (Y/N)	Distr. Date	Confirmed (Y/N)	Confirm Date	Remarks
EPG	Y	2/4/97	Y	2/5/97	Phone call from John
BSS	Y	2/5/97	N	2/3/97	Sent a fax
Video Server	Y	2/3/97	Y		

Begin Distribution

FIG. 13

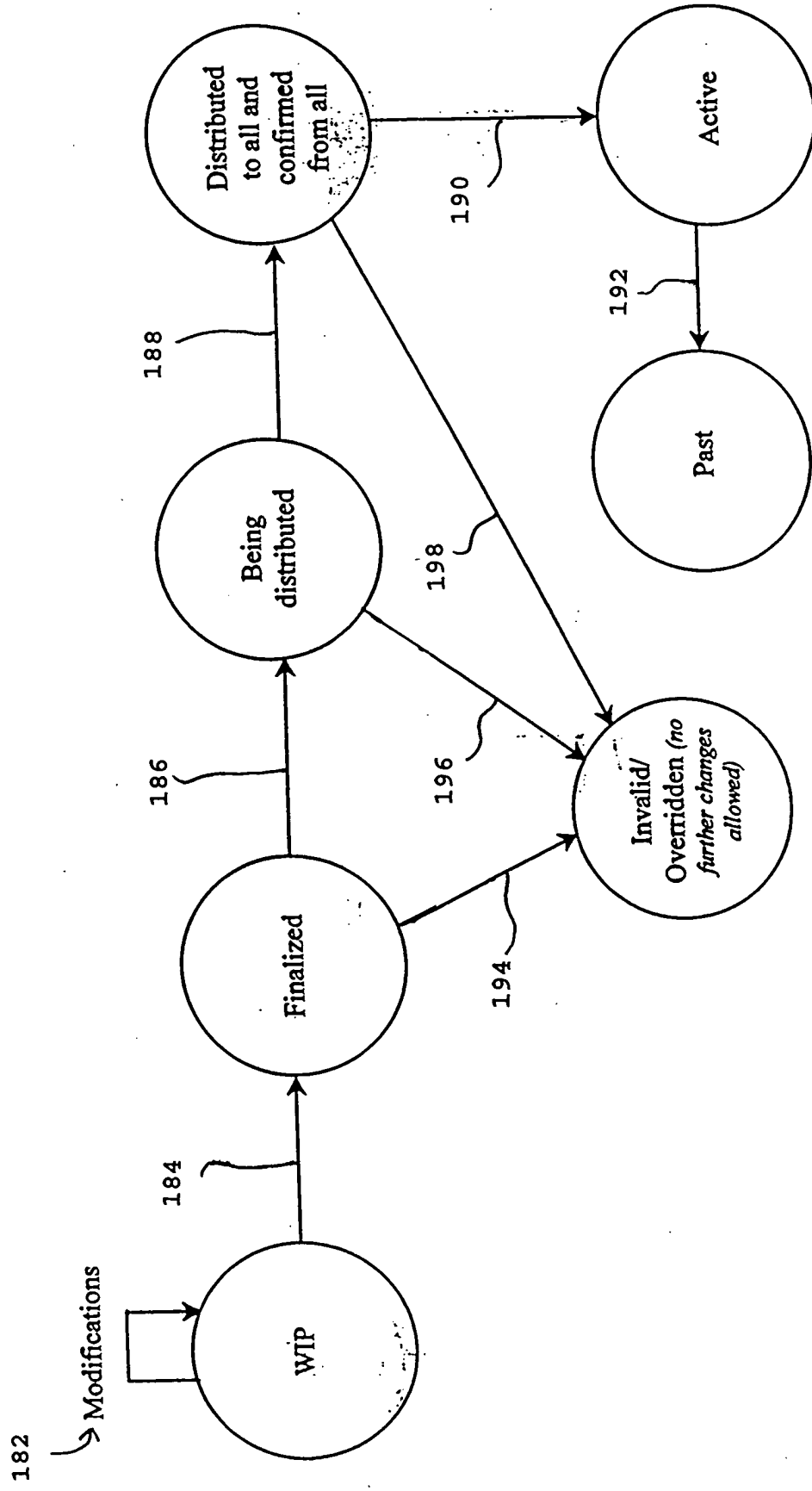


FIG. 14

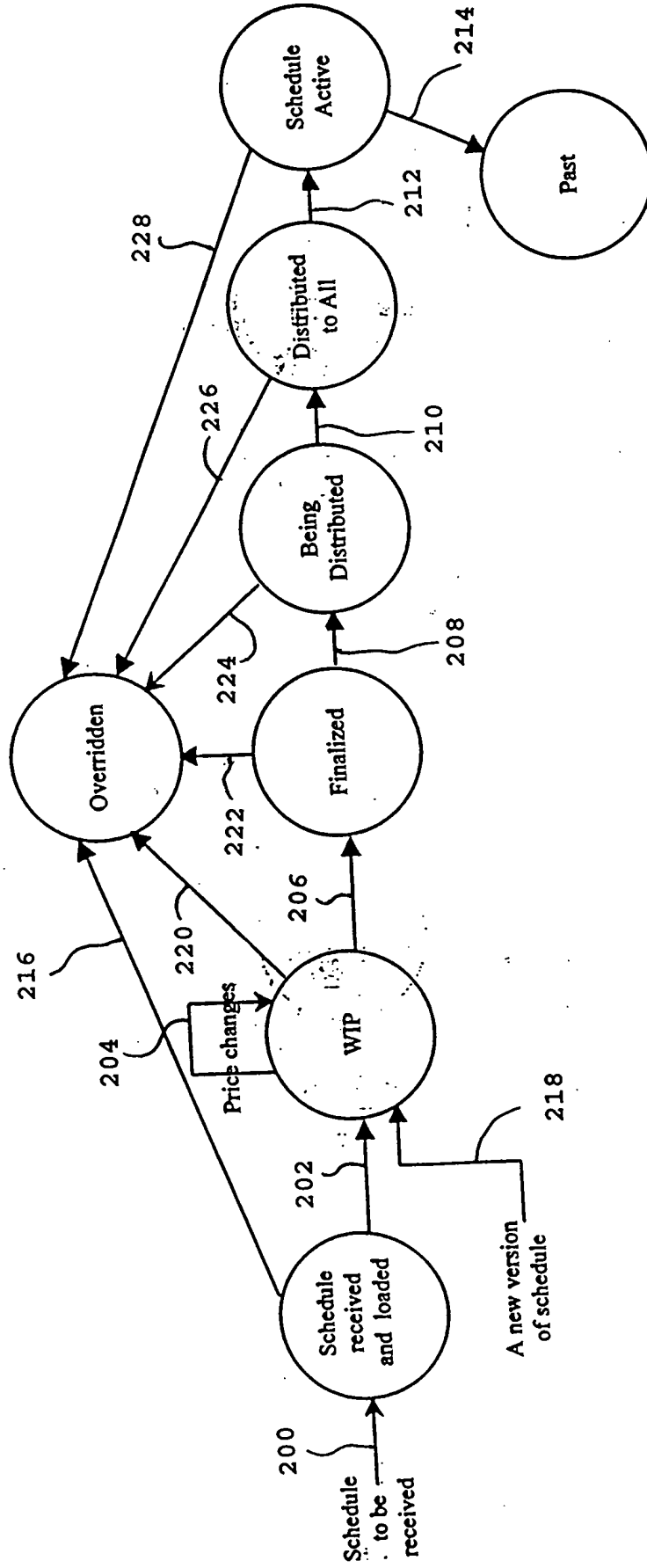


FIG. 15

00004551-02540260

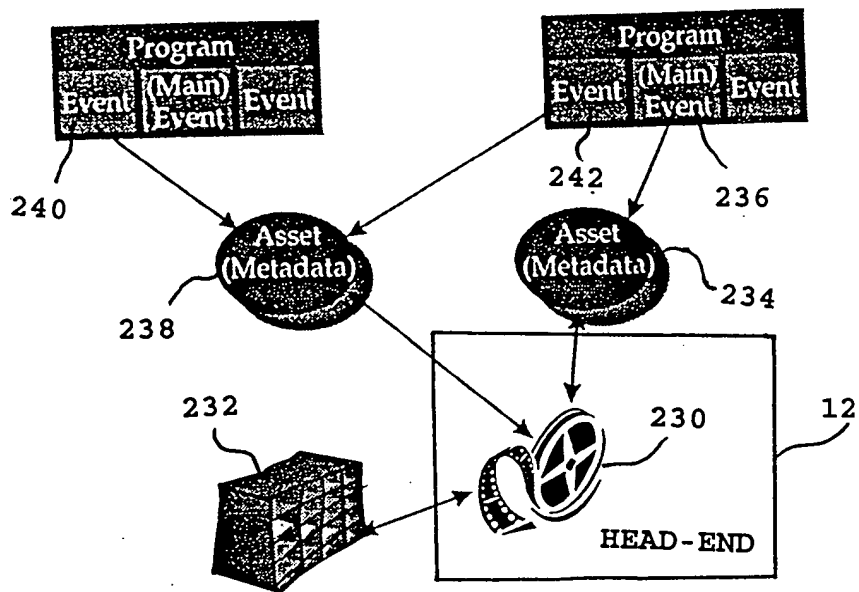


FIG. 16

HEADER Record
ASSET METADATA Record
ASSET EVENT Record
ASSET EVENT Record
ASSET EVENT Record
ASSET METADATA Record
ASSET EVENT Record

FIG. 17

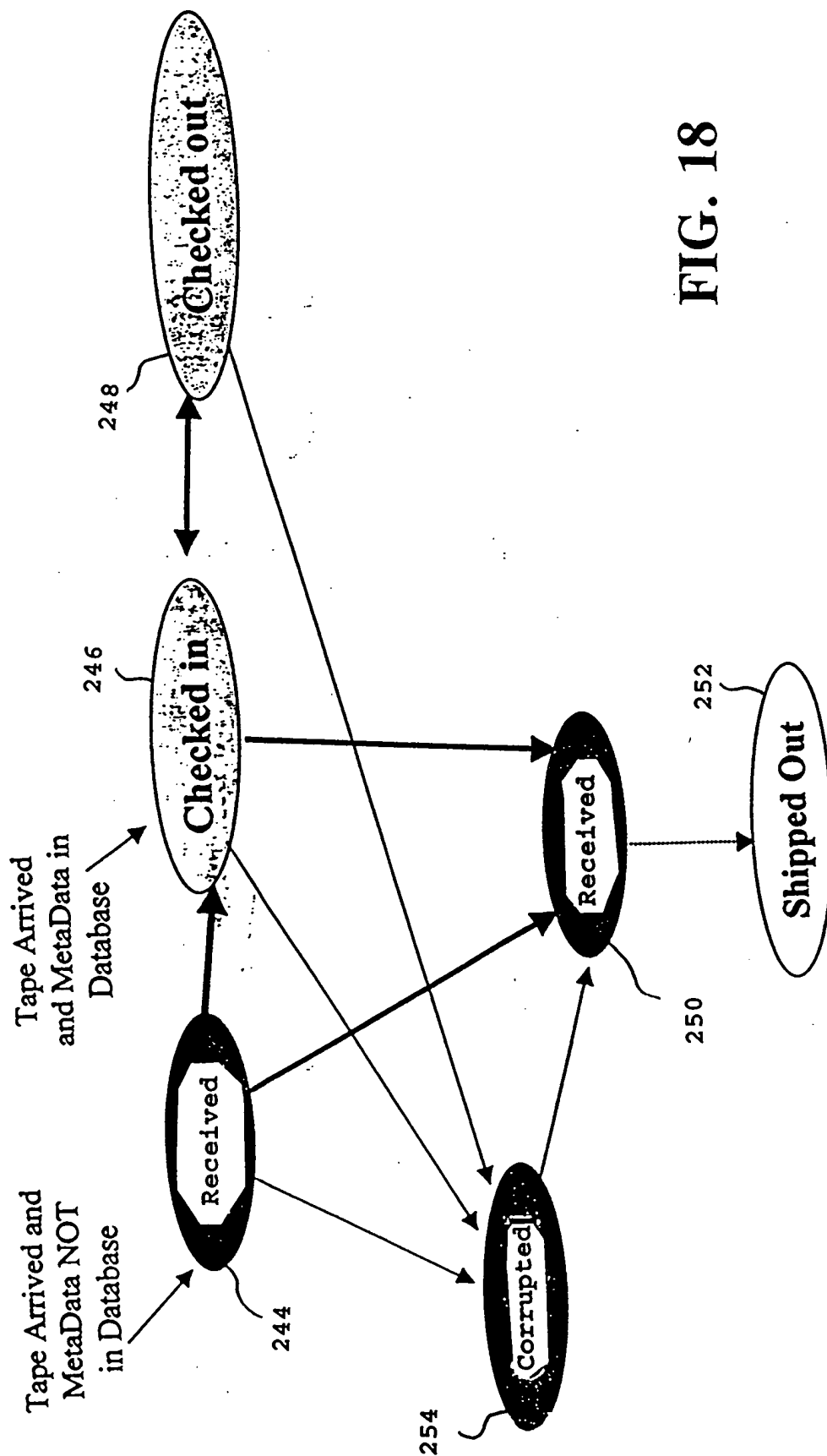


FIG. 18

09204523-12353
35E02T-22340260












File Edit Schedule Content Tasks Configur Asset		_ □ ×									
		          									
Tape Operations											
Edit Mode											
Name	WONDER 3										
Total Bitrate	6000000										
Source	2										
Provider Asset ID	WONDER 3										
Duration	30										
Shipped Date/Time	03/30/1997 12:00:00 AM										
Load Date/Time	03/31/1997 12:00:00 AM										
Return Date/Time	05/30/1997 12:00:00 AM										
Barcode	BARCODE 15										
Asset MetaData Size	6000000										
Return Instructions	ASSET RETURN INSTRUCTIONS FOR ADVENTURES EPISODES										
Other Instructions	OTHER INSTRUCTIONS FOR ADVENTURES 3										

FIG. 20

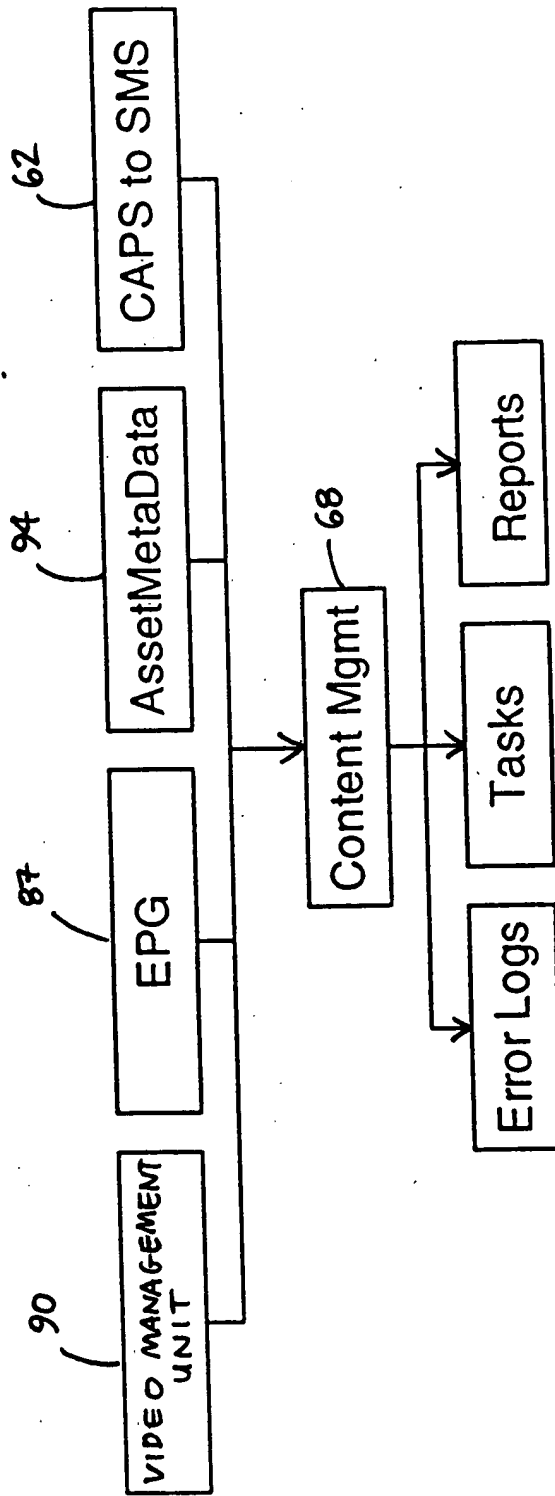


FIG. 21



File Edit Manage Configure Addminister Reports/Logs

Import and Load from Americast

Load Files

All Files

Yes

Yes

Schedule

Yes

CAPS-SMS

Yes

Asset Metadata

Begin Load

Load local file

File Name

C:\Schedules\May97

Browse ...

Begin Load

FIG. 22



File Edit Manage Configure Administer Reports/Logs

Last Updated: 2/11/97

Name	Capacity	Remaining	Status	Last Updated
Data Source 1	100 GB	13 GB	Available	2/8/97
Data Source 2	100 GB	87 GB	Available	2/3/97
Data Source 3	100 GB	99 GB	Down	2/11/97

Check Status

FIG. 23



File

Edit

Manage

Configure

Administer

Reports/Logs

Last Updated: 2/11/97

Asset Id	Name	Scheduled to be loaded on	Server Status	Task Status
12345	Toy Story	2/3/97	Loaded	Loaded
7865	Pocahontas	2/8/97	Unloaded	Unloaded
761209	Gardening	2/11/97	Loaded	Loaded

Check Status

Play on Test Channel

FIG. 24

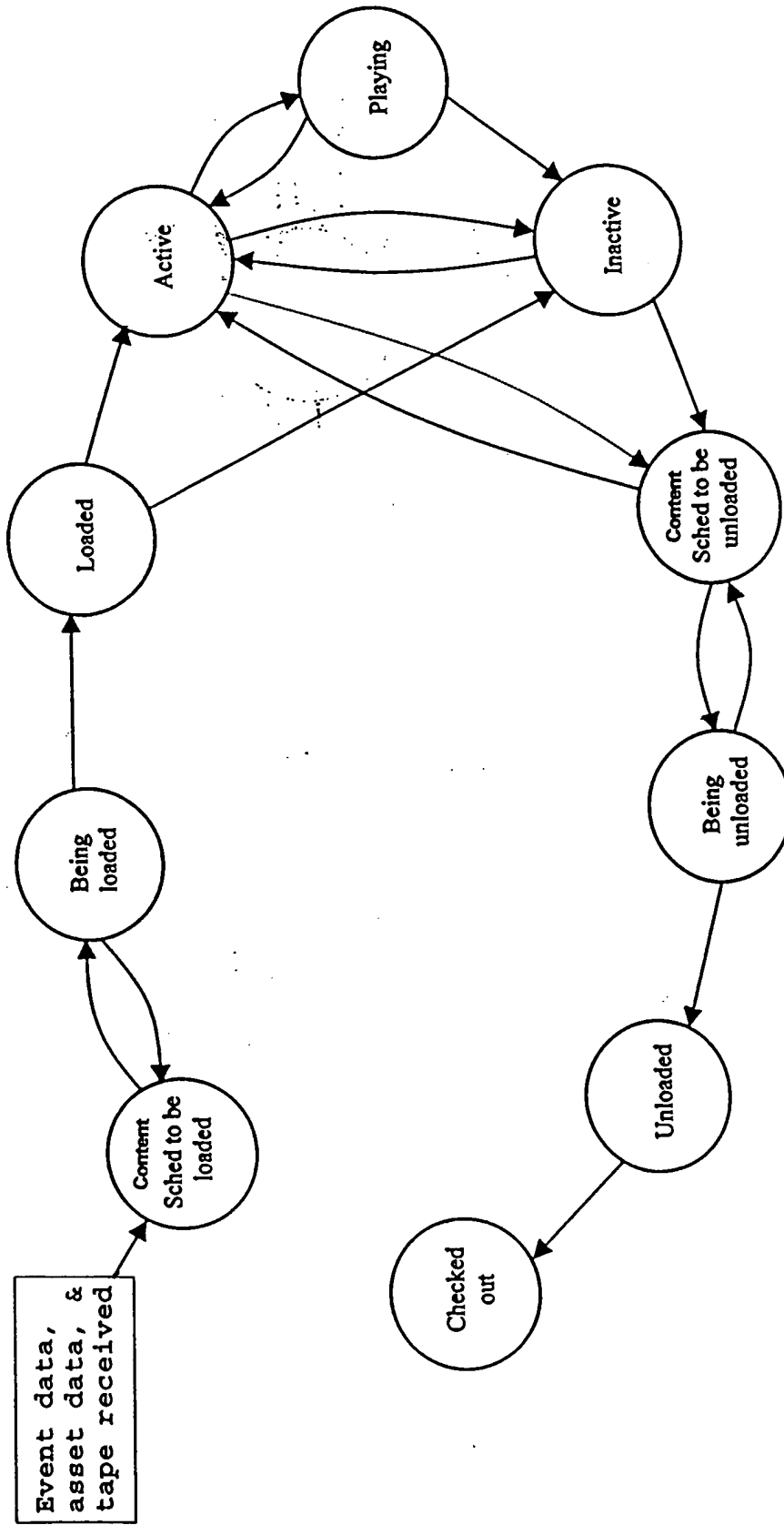


FIG. 25

FIG. 27

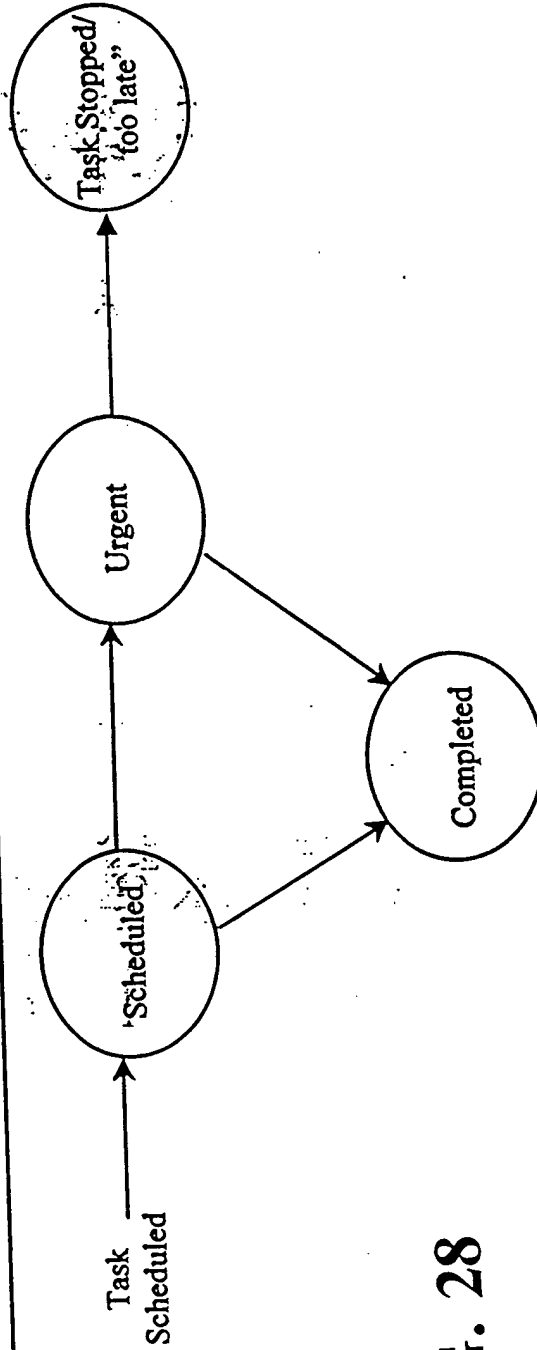
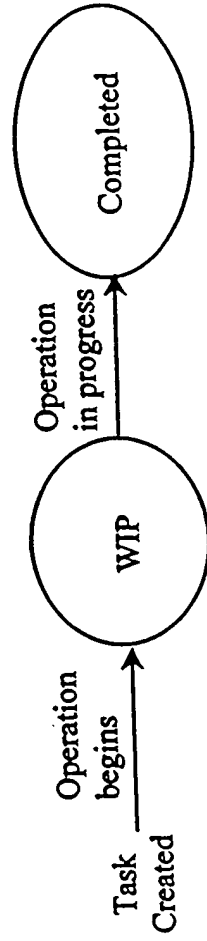


FIG. 28

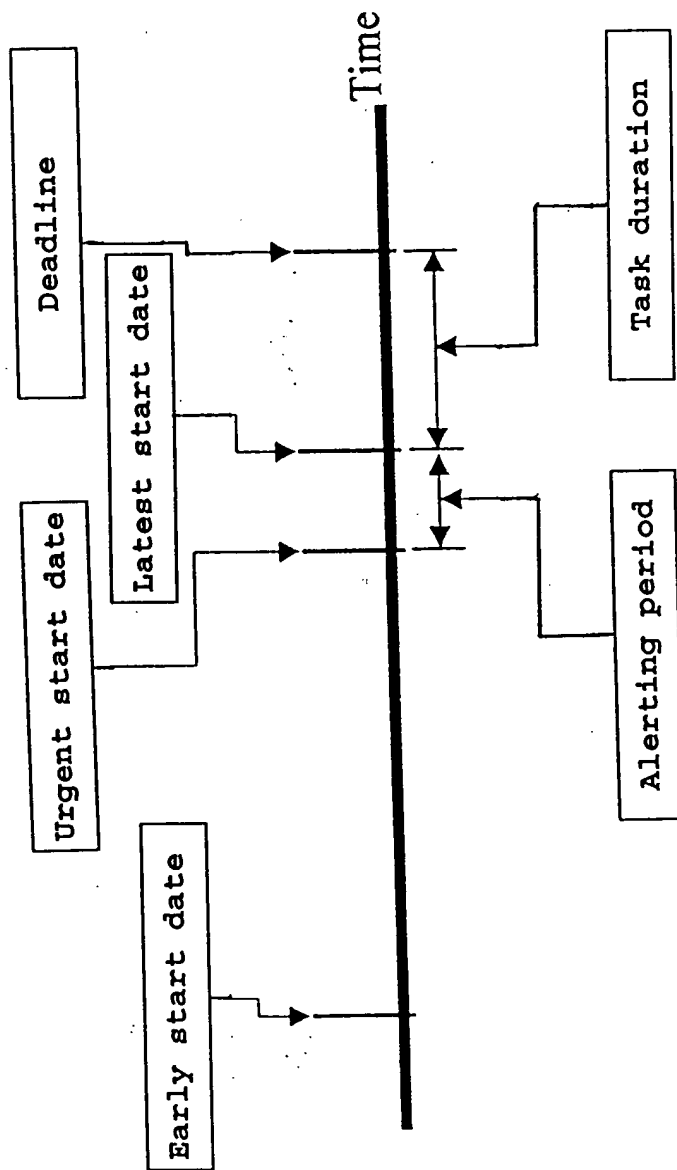


FIG. 29

300



<u>F</u> ile	E <u>d</u> it	<u>M</u> anage	<u>C</u> onfigure	<u>A</u> dminister	<u>R</u> eports/Logs
Save Print Import/Load Exit	System Parameters Preferences Notifications	Schedule ... Content ... Task	Headend		Notifications Error Logs Channel Lineup Server Content Tasks Schedule Asset

FIG. 30

File

Edit

Manage

Configure

Administer

Reports/Logs

Delete records

From1/16/97

To2/16/97

Table Name	Earliest Date	Number of records marked for deletion
Programs	2/1/97	345
Events	2/1/97	2765
Tasks	2/3/97	125

Submit

FIG. 31

304

File Edit Manage Configure Administer Reports/Logs

Schedule

Name	Value
Default Price	2.95
Minimum distribution time to TVData	12 (hours)
Minimum distribution time to BSS	8 hours

Content

Name	Value
Minimum loading time	6 (hours)

Hardware Configuration

Name	Value
Maximum VCI	999
Maximum STB Display Channel	999
Maximum channel frequency	800 (MHz)

FIG. 32

306

File Edit Manage Configure Administer Reports/Logs

Id	Module	Event	Normal/Alert	Notify GUI (Y/N)	Send to printer (Y/N)
1	Schedule Management	Schedule could not be validated	Alert	Yes	Yes
2	Schedule Distribution	System cannot communicate with TVData	Alert	No	No
3	Content Management	Asset not loaded on video server by due date	Alert	Yes	No
4	Schedule Management	Schedule has been changed	Normal	Yes	Yes

FIG. 33

File Edit Manage Configure Administer Reports/Logs

Tasks

Name	Automatic/ Manual
Import Schedule from Americast	Automatic
Import CAPS-SMS from Americast	Automatic
Import Asset metadata from Americast	Automatic
Distribute Schedule to TVData	Manual

FIG. 34

File Edit Manage Configure Administer Reports/Logs

Display Tasks From:

2/16/97

To:

3/16/97

Functional Area	Descr	Recommended Start Date	Est. duration	Deadline	Status	Actual Start Date	Actual End Date	Progress Status
Content Mgmt	Load 'Sac Vias' on Data Source 2	2/25/97	1 hour	3/1/97	Urgent			No Action
Content Mgmt	Load 'Toy Story' on Data Source 1	3/1/97	6 hours	3/10/97	Scheduled			No Action
Schedule Mgmt	Debiture April Schedule (Version 1) to BSS	2/24/97	1 hour	3/11/97	Scheduled	2/24/97		WIP

FIG. 35